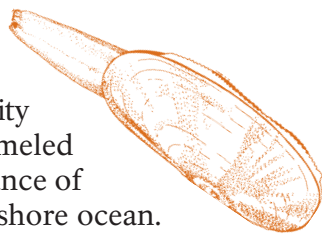




The Charismatic Razor Clam

by STEVE FRADKIN, Coastal Ecologist

Fine sand beaches make up over 30% of the shoreline of Olympic National Park's remote outer coast. These simple, placid-looking beaches mask a rugged complexity that is hidden within their grains of sand. While sand beaches are relentlessly pummeled by ocean waves, causing sand to shift and sort, these beaches harbor a rich abundance of animals that have profound influences on beach visitors and the health of the nearshore ocean.



The most charismatic citizen of the beach is the Pacific razor clam, *Siliqua patula*. These filter feeding clams can live up to nine years and reach a size of over six inches in length. They play an important role in recycling nutrients into the ocean that helps to fuel our highly productive waters. With their powerful digging foot, razor clams can propel themselves deep into the sand at a rate more than a foot per minute, creating a big challenge to recreational clam harvesters. Razor clams are an important food staple and cultural element for coastal Native American communities. They are also highly prized by park visitors who harvest them during announced seasons.

At Kalaloch beach, razor clams have been affected by harmful algal blooms and a poorly understood pathogen over the last decade. Algae in harmful algal blooms are eaten by the clams that incorporate algal toxins in their bodies. These toxins don't harm the clam, but are poisonous to humans. Over the last three years, the Kalaloch clam population has crashed, most likely because of a mysterious pathogen that killed 95% of the Washington coast razor clams in the 1980s. Park biologists are now studying this pathogen to learn how it stays in the environment and how it affects the Kalaloch clam population.

I always leave this primitive beach reluctantly. The music of the ocean front seems to establish a rhythm in man. Justice William O. Douglas

Embraceable Change

I try to go to the beach every day. As a coastal park ranger at Olympic National Park, going to the beach is my job. But I would go anyway.

There's just something about watching the waves. Something about the constant coming and going, the powerful crashing, the fine mist that floats up and away from the cresting water. Something about the sand that's never in the same place twice and the way you can feel the salt and moisture hanging in the air. There's something about knowing this place is always changing and yet, somehow, always the same. This play of nature draws me to the wild coastline as it draws so many others.

Our love of the coast makes sense. It is a place of extremes where one world meets another. Where turbulence meets tranquility, where the known meets the unknown. It is a place where change is expected and welcomed. Where change is easy.

As a park ranger, I can't help but wonder if this place would hold the same mystique if it weren't protected. Would the intrusion of human-caused change disrupt this magical balance? The same instinct that spurs me to pluck discarded water bottles and candy wrappers from the sand tells me that a car on the beach, a house on the hill, or a film of oil on the water would destroy the very essence of what this wonderland offers us.

The same instinct tells me that if we as a society work to protect wild places like the coast from development, learn about where our watersheds drain, or pick up trash as we walk the beach, this balanced world of embraceable change can endure.

And so I try to go to the beach every day to remind myself what I'm protecting. And as I join others staring out at the miles upon miles of waves breaking on the Olympic coast, I feel heartened that I'm not doing it alone.

by BARBARA HOPPE



Olympic - Connected by Rhythms of Life

By KAREN GUSTIN, Olympic National Park Superintendent

Welcome to Olympic National Park! Olympic is a magical place where a multitude of habitats, landscapes and people come together. The pulse of life is strong at Olympic—from waves crashing and pounding on the beach to the whisper of a quiet wind through stately spruce and hemlock trees in the temperate rain forest.

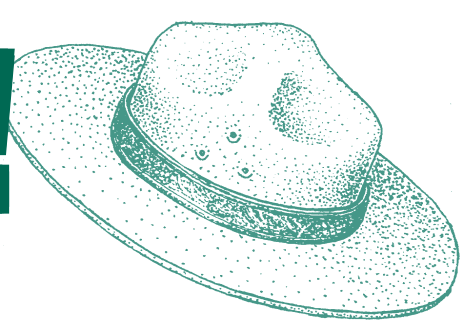
Established in 1938, Olympic is home to over 3,500 miles of rivers and streams that provide habitat for 29 species of native freshwater fish. Three hundred bird and 70 mammal species call this place home. Ninety-five percent of Olympic is designated as wilderness. This diverse national park, with its complex ebb and flow of life, is globally recognized as an International Biosphere Reserve and a World Heritage Site.

People have a rich history in the Olympics. Early cultures are part of the mosaic of life here—from the first native peoples, to the eight tribes that continue to have a close relationship with the land, to the historic explorers of the 1800s. As a visitor, you are part of that mosaic. Whether you are here for a day or for a week, you play an important role in the history of Olympic. We welcome you to spend as much time as you can, walking along the impressive northwest coastline or breathing in the quiet of a mountain meadow. Olympic is here for you.

*You cannot step twice
into the same river.*

Heraclitus 540 - 480 B.C.

Are We There Yet? Trip Tips!



Welcome to Olympic National Park. Whether you are here for a day, two days, a week or more, many spectacular sights await your discovery in this vast and diverse wilderness park. Highway 101 encircles the park and several spur roads lead to mountains, forest and coast. Look for interpretive exhibits along park roadways. The center of the park, untouched by roads, offers incredible wilderness adventures. **Olympic National Park Visitor Center** in Port Angeles provides information, exhibits, a children's discovery room, park film, park passes, bookshop and trails. Located in the visitor center, the **Wilderness Information Center** offers wilderness trip planning assistance and camping permits, minimum impact tips and bear canisters. Also visit the ranger stations and visitor centers at Hoh, Hurricane Ridge, Lake Crescent, Forks, Kalaloch, Quinault and other areas. Pick up a free park map for trip planning or purchase topo maps for hiking. Ask for handouts about day hikes, accessible facilities, campgrounds and more! Self-guiding trail brochures are available for \$1.00 donation at various park trailheads. **Park programs** are offered throughout Olympic. For details, check the schedules on pages four and five of this newspaper and the information posted on park bulletin boards. Most programs and facilities are seasonal.

Are you entering the park from the north, east or west?

Along the north side of the park, you can visit Hurricane Ridge, Elwha, Lake Crescent or Sol Duc. Staircase is a popular destination on the east side of the park. On the west side, the rain forests of Quinault and Hoh, and beaches at Kalaloch, Mora and Ozette await your discovery.

How long is your visit? Mountains, lakes, forests or coast?

In one day on the north side you can drive up to Hurricane Ridge in the morning, then visit either Elwha, Lake Crescent or Sol Duc in the afternoon. On the west side, you can explore the rain forest at Hoh or Quinault in the morning and then enjoy the coastal sunset at Kalaloch. For another wonderful, varied day trip visit Rialto Beach (Mora) during low tide and hike the Hoh trails in the morning or afternoon. Staircase offers a one-day trip to the lower east side of the park and Ozette is a unique destination in the park's northwest corner. Of course, you can create countless other trip combinations for a memorable vacation. Consider the diverse distances between areas when you plan your visit.



MOUNTAINS

The most accessible mountain area is **Hurricane Ridge** at 5,242 feet, 17 miles up a paved road from Port Angeles. Hurricane Ridge Visitor Center offers information, exhibits, an orientation film, a snack bar and gift shop. Picnic areas provide a chance to relax amid the breathtaking scenery. Along several trails you can capture views of glacier-clad mountains crowning acres of wilderness. Avalanche and glacier lilies, lupines, bistorts and tiger lilies dance beneath stunted subalpine fir trees. High-pitched whistles announce the Olympic marmot, found only on the Olympic Peninsula. Black-tailed deer feed in summer meadows and migrate downslope when cold recaptures the high country.



LAKES

Lake Crescent is located 19 miles west of Port Angeles on Highway 101. This 624-foot deep shimmering jewel was carved by a huge glacier thousands of years ago. You can stroll along the shore or day hike on the Marymere Falls, Spruce Railroad or Moments in Time trails. Storm King Information Station has information, books and maps. Lake Crescent Lodge and Log Cabin Resort offer restaurants, overnight accommodations and boat rentals. Fairholme Campground, a convenience store and boat rentals are located at the west end of the lake. **Ozette**, a two-hour drive from Port Angeles, offers a lovely lake for boaters, a small campground and trails to the rocky beach (see COAST, page three).



TEMPERATE RAIN FOREST

Drenched in over 12 feet of rain a year, west side valleys flourish with giant western hemlock, Douglas-fir and Sitka spruce trees. Moss-draped bigleaf maples create a magical scene that obliterates all sense of time. Roosevelt elk may linger along riverbanks at dawn and dusk. The **Hoh Rain Forest**, 91 miles west of Port Angeles, offers a visitor center, exhibits, books, maps, self-guiding nature trails and a campground. The **Quinault Rain Forest**, on the Quinault North Shore Road, is 128 miles from Port Angeles. The Quinault River Ranger Station offers information, exhibits, bookshop and self-guiding trails. The USFS/NPS Information Station and nature trails are located on the south shore. At Quinault, visitors enjoy lakeside activities, lodging and restaurants.



LOWLAND FOREST

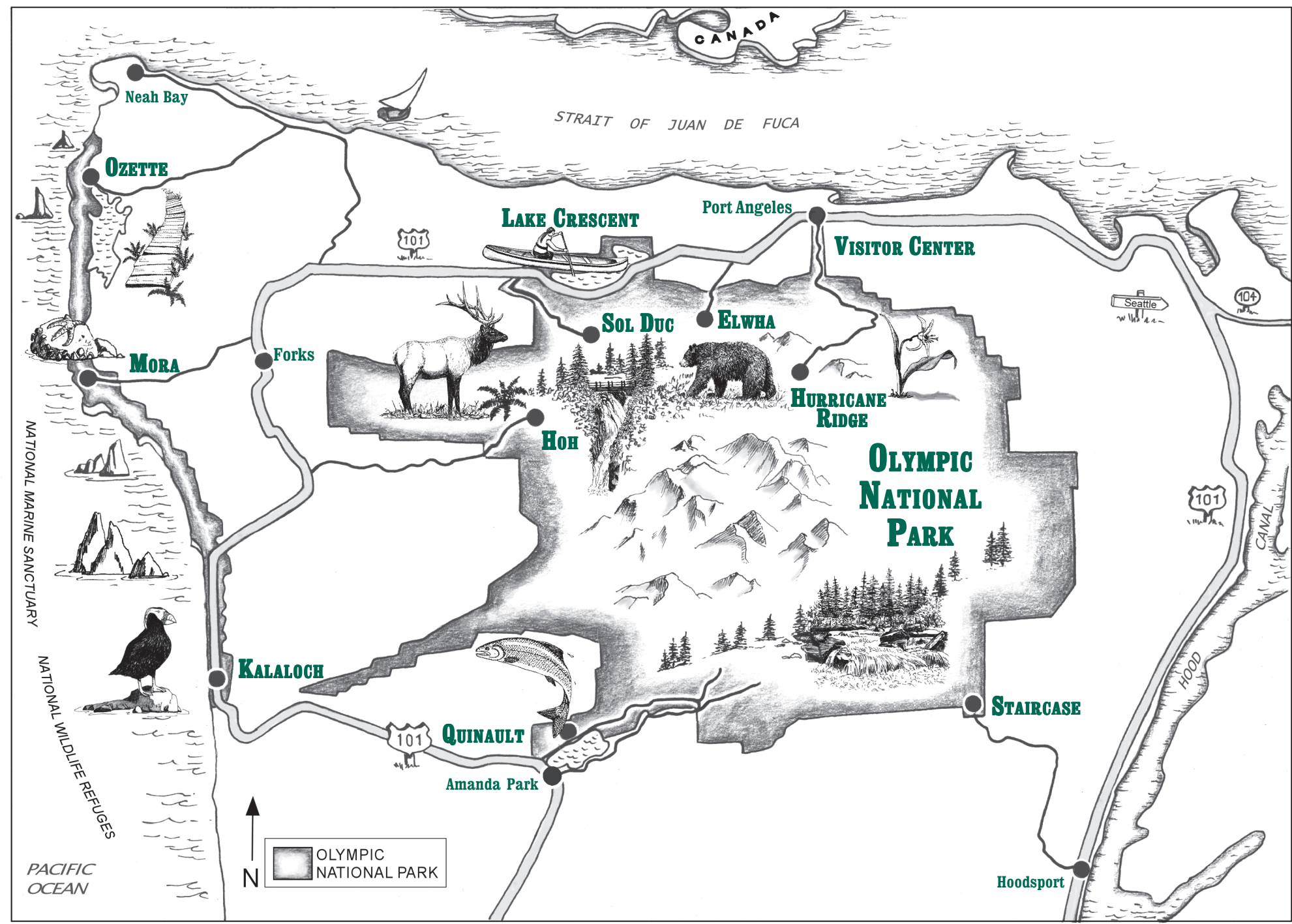
On the north and east sides of the park, the magnificent lowland forest cloaks lower elevations. This old-growth is dominated by western hemlock and Douglas-fir trees. Five miles south of Port Angeles, Heart O' the Hills Campground offers sylvan beauty and access to the Heart O' the Forest trail. **Elwha**, 12 miles west of Port Angeles, has two campgrounds and several hiking trails. Madison Falls, an accessible 0.2-mile self-guiding trail, begins just past the entrance station. Whiskey Bend trailhead offers opportunities for day or overnight hikes. **Sol Duc**, 40 miles west of Port Angeles, has a campground and self-guiding trails. Sol Duc Falls, a 1.6-mile round trip, starts at the end of the road. At Sol Duc Hot Springs Resort, which offers food and overnight lodging, you can relax in warm or cold pools. **Staircase**, 100 miles southeast of Port Angeles, offers a campground, self-guiding nature trails and a ranger station with exhibits.



COAST

The park's wilderness coast provides a constantly changing performance. Low tide exposes sea anemones, red and purple sea urchins, sea stars and limpets, artistically and strategically arranged on the rocks. It is important to leave tide pool animals in their homes, as moving just one animal disrupts an entire community. **Kalaloch** is an expansive sandy beach located 93 miles southwest of Port Angeles. Kalaloch Information Station has information, exhibits and a bookshop. Visitors also enjoy campgrounds, Kalaloch Lodge, a restaurant and convenience store. Advance reservations are available for Kalaloch Campground during summer by calling 1-877-444-6777. Nearby Beach 4 and Ruby Beach are popular destinations accessed via 0.2-mile trails. **Mora**, 66 miles west of Port Angeles, offers a campground less than two miles from Rialto Beach. Along the beach, you can hike 1.5 miles north to picturesque Hole-in-the-Wall. Check the tide tables for longer hikes. At **Ozette**, you can reach the beach along three-mile boardwalk trails to either Sand Point or Cape Alava. A popular day hike is the nine-mile loop, which includes a three-mile beach walk. Be sure to make a reservation for wilderness camping. Have a safe and enjoyable trip!

Please return often,
perhaps during a
season of snow,
or in the spring
when
old and new
generations of green
share the palette of this
rare masterpiece called Olympic.



Park Programs June 26 - September 6

Please check bulletin boards for additional programs or schedule changes.

NORTH SIDE

1. OLYMPIC NATIONAL PARK VISITOR CENTER PORT ANGELES

Visitor Center - Open Daily 8:00 a.m. - 6:00 p.m.
Information, Discovery Room, park film, bookshop, maps, exhibits, accessible forest trail. Park information: (360) 565-3130. Recorded 24-hour road and weather information: (360) 565-3131. In Port Angeles tune radio to 530 AM.

Discover Olympic! - Daily 10:00 a.m.
Join a 20-30 minute talk about Olympic's treasures of fish, fur and flowers.

Family Nature Program - Sunday 2:00 p.m.
Meet at the Visitor Center for this one-hour outdoor exploration. Learn to read the wonder book of nature!

2. HEART O' THE HILLS

Evening Program - Monday, Wednesday, Friday, Saturday 8:00 p.m.
Heart O' the Hills Campground amphitheater. Topics on bulletin boards.

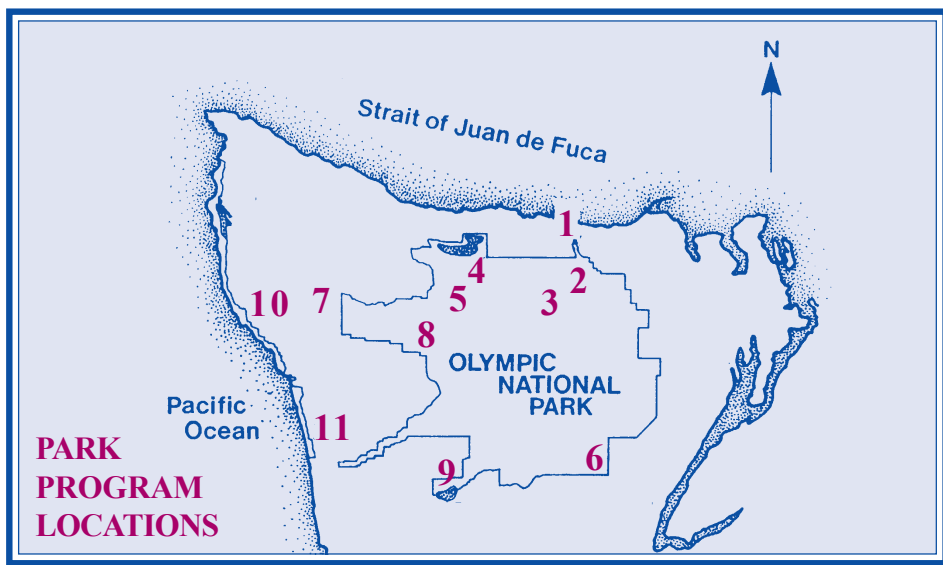
Family Forest Activities - Saturday 10:00 a.m.
Join us for 1 1/2- hours of forest activities. Meet at campground amphitheater.

3. HURRICANE RIDGE

Hurricane Ridge Visitor Center - Open Daily 9:00 a.m. - Dusk
The information desk is staffed from 10:00 a.m. - 5:15 p.m. daily. Information, maps, exhibits, orientation film, trails. The snack bar and gift shop are open daily from 10:00 a.m. - 6:00 p.m.

Terrace Talk - Daily 10:30 a.m., 1:00 p.m., 4:00 p.m.
Learn about this spectacular wilderness park at a 20-minute talk. Topics vary from mountains to marmots.

Meadow Walk - Daily 11:30 a.m. & 2:00 p.m.
Join this easy one-hour guided walk to explore life in the mountains. Discover wildlife, wildflowers and other features of the Olympic wilderness.



4. LAKE CRESCENT

Storm King Information Station - Open Daily 9:00 a.m. - 5:00 p.m.
Information, bookshop, maps, trails.

Marymere Falls Walk - Daily 2:00 p.m.
Meet at Storm King Ranger Station. One hour. Mostly level, uphill at end.

Lake Crescent Lodge Campfire Program
Sunday, Tuesday, Thursday, Saturday
8:00 p.m. - June 27 through August 1
7:30 p.m. - August 2 through September 6
Meet at lakeside campfire circle near Lake Crescent Lodge. Topics vary.

Log Cabin Resort Campfire Program
Monday & Friday
8:00 p.m. - June 26 through July 31
7:30 p.m. - August 3 through September 4
Meet at lakeside campfire circle, Log Cabin Resort. Learn all about Olympic.

5. SOL DUC


Evening Program - Daily 8:00 p.m.
Sol Duc Campground amphitheater. Topics on bulletin boards.

Discovery Backpack

Have fun exploring nature with a Discovery Backpack filled with binoculars, guidebooks and more! Borrow a backpack at park visitor centers for a \$5.00 donation.

Junior Ranger

Olympic National Park Junior Rangers learn exciting secrets about the park. Booklets are \$1.00 donation at park visitor centers. Earn your Junior Ranger badge!



EAST SIDE

6. STAIRCASE

Staircase Ranger Station
Information, exhibits, bookshop, maps, trails.

Forest Walk - Friday, Saturday, Sunday 2:00 p.m.
Meet at Staircase Ranger Station for 1 1/2-hour lowland forest guided walk.

Family Forest Activities - Sunday 9:00 a.m.
Join us for 1 1/2- hours of forest activities. Meet at Staircase Ranger Station.

Campfire Program - Friday 7:30 p.m.
Meet at Staircase amphitheater campfire circle for stories and activities.

Evening Slide Program - Saturday 8:00 p.m.
Meet at Staircase amphitheater for slide program about this spectacular park.

WEST SIDE

7. NPS/USFS INFORMATION STATION FORKS

Information Station - Open Daily 9:00 a.m. - 4:30 p.m.
Information, bookshop, maps, wilderness camping permits, park passes.

8. HOH RAIN FOREST

Hoh Visitor Center - Open Daily 9:00 a.m. - 6:00 p.m.
Information, exhibits, bookshop, maps, trails.

Spruce Nature Trail Walk - Daily 11:00 a.m.
Explore nature's intricate world along the Hoh River. This 1 1/2-hour easy stroll follows part of the 1 1/4-mile loop trail. Meet at the Hoh Visitor Center.

Hall of Mosses Trail Walk - Daily 1:00 p.m.
Learn about giant trees, wildlife and more on this 1 1/2-hour, 3/4-mile walk through bigleaf maple glades. Meet at the Hoh Visitor Center.

Evening Program - Monday, Tuesday, Wednesday, Friday, Saturday 8:00 p.m. - Hoh Campground amphitheater. Topics on bulletin boards.

9. QUINAULT RAIN FOREST

Quinalt River Ranger Station - North Shore Road
Open Thursday through Monday 9:00 a.m. - 5:00 p.m.
Information, exhibits, bookshop, maps, trails. Closed for guided walks & lunch.

Life in the Rain Forest Walk - Thursday through Monday 1:00 p.m.
Learn about rain forest plants, animals and homesteader lore. Meet at Quinalt River Ranger Station for this 1 1/2-hour, 3/4- mile walk.

***“Today is your day!
Your mountain is waiting.
So...get on your way.”***

Dr. Seuss



***“You have
to love it
before you are
moved to
save it.”***

**Sylvia Earle
-oceanographer-**



10. MORA

Tide Pool or Beach Talk - Most Mornings
Check bulletin boards for days, times and meeting locations.

Family Forest Walk - Intermittently Saturdays & Sundays 10:00 a.m.
Meet at the Mora Ranger Station for 1 1/2 hours of forest activities. Check schedules on bulletin boards.

Evening Program - Monday, Wednesday, Friday, Saturday 8:00 p.m.
Mora Campground amphitheater. Topics on bulletin boards.

11. KALALOCH

Kalaloch Information Station - Open Daily 9:00 a.m. - 5:00 p.m.
Information, exhibits, bookshop, maps.

Intertidal Walk *Or* Beach Walk - Mornings - 1 1/2 hours
On mornings when the tide is low, join the Intertidal Walk. Meet at Beach 4 parking lot north of Kalaloch Campground. Please check bulletin boards for days and times.
On mornings when the tide is too high for the Intertidal Walk, join the Beach Walk. Meet at 10:00 a.m. at the Kalaloch Picnic Area by the campground registration kiosk. Please check bulletin boards for days.

Coastal Forest Walk - Most Days 2:00 p.m.
Meet at Site A54, Kalaloch Campground. Park in campground day-use area or take trail from Kalaloch Lodge. Two hours. Check bulletin boards for days.

Coastal Highlights Talk - Daily 2:00 p.m.
Meet at Kalaloch Lodge white gazebo for short talk. Topics on bulletin boards.

Evening Program - Monday, Wednesday, Friday, Saturday 8:00 p.m.
Kalaloch Campground amphitheater. Please check topics on bulletin boards.

Fisher Release

Thirty-one fishers were released into Olympic National Park this winter, in the second of a three-year project to restore these animals to Washington and the park. About the size of a cat, and related to minks and otters, fishers vanished from Washington State decades ago because of over-trapping, and habitat loss and fragmentation.

Over the duration of this three-year project, a total of approximately 100 fishers will be released within the park. Each fisher is fitted with a tiny radio transmitter before release so we can monitor their movements and survival. More information, including monitoring updates, is available online at the project's website: <http://wdfw.wa.gov/wlm/diversty/soc/fisher/reintro.htm>



A newly released fisher sizes up its snowy surroundings before bounding into the Sol Duc Valley forests in late December 2008.

Safety and More



Help keep wildlife wild! Never feed park wildlife. It is harmful to animals and hazardous to you. Animals fed by humans can lose fear of people,

which may lead to aggressive behavior. Secure all food, garbage and scented items from wildlife 24 hours a day. In the campgrounds, store these items in your vehicle. When in the backcountry, you are required to use bear canisters in the Sol Duc area, Royal Basin, along the coast and in other park areas. For more information please check at the Wilderness Information Center.

The Wilderness Information Center (WIC), located in the Olympic National Park Visitor Center in Port Angeles, provides wilderness information and permits, minimum impact tips, bear canisters and more. Plan carefully for a safe trip. (360) 565-3100 www.nps.gov/olym



Filter or boil all backcountry water for five minutes to avoid infection by *Giardia*, a microscopic intestinal parasite.

Bring rain gear and warm clothing. Hypothermia, a dangerous lowering of body temperature, may result from exposure to wet or chilly weather.



Pets are not allowed on park trails for the safety of your pets, park wildlife and you!

Tread lightly please. Avoid walking on delicate vegetation by staying on trails. Help protect this beautiful wilderness park for future visitors.



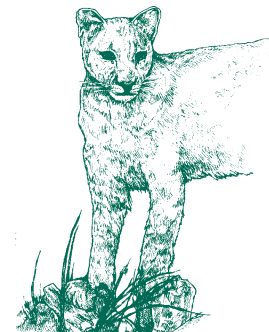
In case of an emergency dial 911. Park Rangers are located throughout the park. They will assist visitors with safety, crime and other issues.

Visit the park website: www.nps.gov/olym
Tune your radio to 530 AM for park information in the Port Angeles area. At Lake Crescent or Quinault tune to 1610 AM. For park information call (360) 565-3130. For 24-hour recorded park road and weather information call (360) 565-3131.



Bicyclists beware! Travel around Lake Crescent and other park areas can be hazardous due to heavy traffic and narrow roadways.

Drift logs are dangerous! Avoid swimming in or walking near the ocean during storms or heavy surf.



Cougars inhabit all elevations of the park where deer, elk and other prey are plentiful. Few people are attacked by cougars.

If you encounter a cougar, make yourself large and loud, wave your arms or a stick, face the cougar and slowly back away.

Park Partners



Friends of Olympic National Park support the park's natural, cultural and recreational resources for present and future generations. They promote understanding of Olympic's ecological, educational, economic and recreational importance, and they work on park projects. Website: www.friendsonp.org

The Olympic Park Institute is a private, non-profit educational organization on the shores of Lake Crescent in Olympic National Park. Field science courses are offered for students. Contact: Olympic Park Institute, 111 Barnes Point Road, Port Angeles, WA 98363. Call: (360) 928-3720.

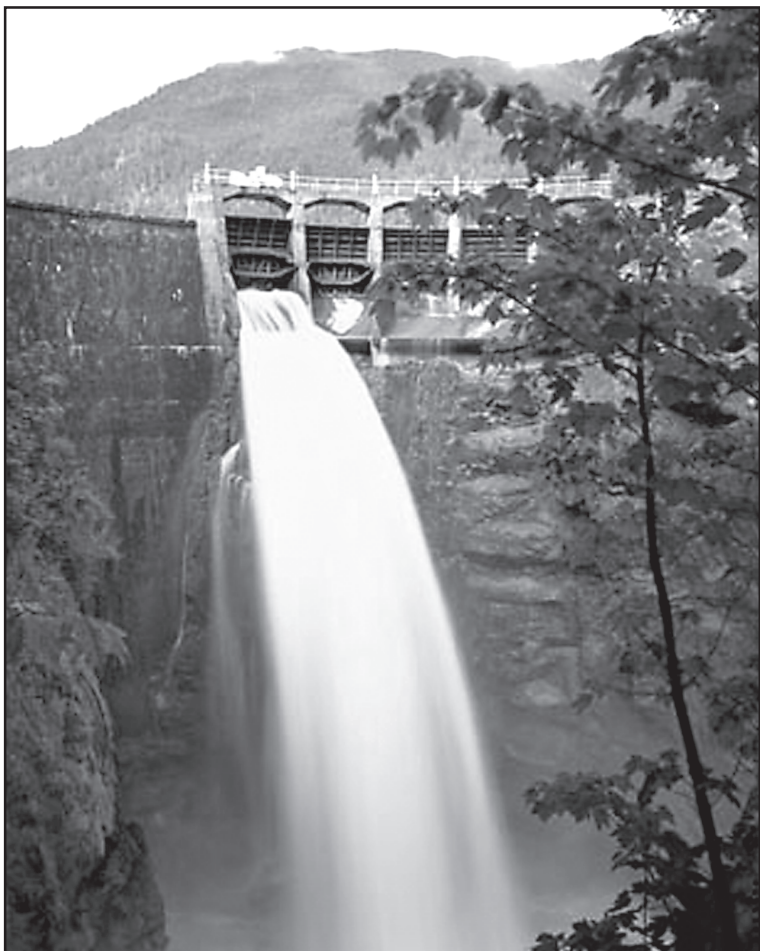


Student Conservation Association (SCA) is a nationwide conservation force of college and high school volunteers who protect and restore America's parks, forests and other public lands. For the 52nd summer, SCA volunteers will work at Olympic to serve visitors and protect park resources. Contact: www.thesca.org

Washington's National Park Fund is a non-profit organization whose mission is to restore and preserve national parks in Washington State. The Fund supports projects in Olympic, North Cascades and Mount Rainier National Parks. Call: (253) 566-4644. Mail donations to: P.O. Box 64626, University Place, WA 98464-0626.



Discover Your Northwest is a non-profit organization that provides educational materials at park sales outlets. Proceeds support Olympic's programs, exhibits and publications. Annual membership \$15. Call the Olympic National Park Branch: (360) 565-3195 or write to: Discover Your Northwest, 164 S. Jackson St., Seattle, WA 98104.



Thanks to YOU...

Your recreation fees provide about \$1,800,000 annually to maintain visitor facilities and services at Olympic National Park. For more information about fees and passes, ask staff at visitor centers or entrance stations, or visit online at www.nps.gov/olym.



ENTRANCE AND RECREATION FEES

ENTRANCE FEES -Single Visit up to seven consecutive days
\$15 - Vehicle (private) or \$5 - Individual (foot, bike)

ENTRANCE PASSES

Please show photo ID with passes
\$30 - Olympic National Park Annual Pass
\$80 - Interagency Annual Pass (Multiple Federal Lands)
\$10 - Interagency Senior Pass (lifetime, age 62+, US citizen/resident)
Free - Interagency Access Pass (lifetime, disabled US citizen/resident)

CAMPING FEES - per site, per night

50% discount with Interagency Senior / Access or Golden Age / Access Passes
\$10 - Deer Park, North Fork Quinault, Queets, South Beach
\$12 - Altair, Elwha, Fairholme, Heart O' the Hills, Hoh, Mora, Ozette, Staircase
\$14 - Kalaloch (except summer *) and Sol Duc
\$18 - * Kalaloch, June 20 through September 1. Reservations available at least three days in advance online at www.recreation.gov or by phone at 1-877-444-6777. Sites not reserved are available on a first-come, first-served basis.
\$5 - RV septic dump station use at Fairholme, Hoh, Kalaloch, Mora, Sol Duc

WILDERNESS USE FEES

50% discount with Interagency Senior / Access or Golden Age / Access Passes
Permit required for overnight trips, \$5 plus \$2 per person per night. For further information, please call the Wilderness Information Center at (360) 565-3100.

Restoring the Elwha



Encompassing over 300 square miles, the Elwha River watershed is the largest in Olympic National Park and was once one of the few rivers in Washington to support all species of Pacific salmon. Before the Glines Canyon and Elwha dams were built in the early 1900s, the river's salmon runs nourished countless generations of Klallam people, along with bears, eagles and a host of other animals. Since dam construction, anadromous fish have been limited to only five river miles below the lower dam, unable to reach the 70-plus river miles of pristine habitat upstream.

In 1992, the Elwha River Ecosystem and Fisheries Restoration Act was signed, authorizing the Secretary of the Interior to remove the dams to "...fully restore the ecosystem and native anadromous fisheries." The National Park Service, Lower Elwha Klallam Tribe and many other partners are now finalizing plans to remove the two dams and restore the Elwha River, its ecosystem and its anadromous fish populations.

Construction is now underway for two water treatment plants that will protect the area's water supply during and after dam removal. Once they are complete, dam removal will begin. And once the dams are removed and the river restored, the river will once again produce its legendary populations of salmon and steelhead, with numbers exceeding 390,000 fish.

For more information, ask for the park's Freeing the Elwha flyer or check online at www.nps.gov/olym

Glines Canyon Dam

Making Your Memories Last



BOOKSHOP COUPON

DISCOVER YOUR NORTHWEST

Valid on all merchandise, except sale items, at park visitor centers and information stations in Port Angeles, Hoh, Kalaloch and Forks.
Expires 9/30/2009

30%
DYNW
members

15%
non-
members

Discover Your Northwest bookshops are located throughout the park. Your purchases help fund educational programs at Olympic National Park. Thank you for your invaluable support.